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The Students of Worcester Polytechnic Institute

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TECH NEWS

VOL. 21

WORCESTER, MASS., FEB. 11, 1930

No. 14

SECONDS DEFEAT NORTH HIGH FIVE

Lyman and Hammer Take Scoring Honors Together

In the preliminary game to the varsity on Saturday night the second team on the Hill defeated the North High team with a score of 25-14. The local high team at no time pushed the Boynton Hill crowd team to any great extent. Larson played a good guarding game while Lyman and Hammer tied the scoring honors with six points apiece. The W. P. I. Seconds put in a number of substitutes at the end of the game, while Megan and French were the stars for the orange and black team.

TECH SECONDS—25

	fg	ft	ft
Hammer lf	2	2	6
Bayon rf	1	0	2
Lyman rf	3	0	6
Norton rf	1	0	2
Driscoll c	1	0	2
Larson lg	1	0	2
Hager rg	2	1	5
	11	3	25

(Continued on Page 4, Col. 5)

FRATERNITY SQUASH MATCHES START MONDAY

Bowling to Start February 20

There are still several events to be run off before the final standing of the fraternities for the year will be known. The first of these, squash, starts February 10 and will continue for a week, according to the schedule arranged by the Physical Education department. The following week the competition for bowling will start and continue until April first, since only one match can be completed each night. After these events, the season will be concluded by the swimming meet, the track meet and finally the baseball season.

In the final game of the Interfraternity basketball league, Theta Upsilon Omega won over Sigma Alpha Epsilon to take first place in the league. The fine work of Seelert and Taylor aided by their team mates made the outcome of the match a certainty, although the S. A. E. players put up an excellent battle.

To date the comparative standings of the fraternities in athletics is as follows: L.X.A. 121; A.T.O. 117; P.S.K. 115; T.U.O. 113.5; P.G.D. 101.5; S.A.E. 99.5; T.X. 99; S.O.P. 93.5.

W. P. I. SWIMMERS BREAK RECORD

Amherst Is Victorious Over Unbeaten Tech Team

In its last two meets the swimming team has been rather unfortunate. The first of the two, that with Rensselaer, should have been won by a large margin, according to the previous records (Continued on Page 5, Col. 1)

CALENDAR

TUESDAY, Feb. 11—

9.50 A. M.—Chapel Services.
Rev. P. B. Covell.
12.00 Noon—Y Cabinet Meeting.
4.15 P. M.—Tech News Meeting.
4.15 P. M.—Interfraternity Squash.
P. S. K.—S. A. E.
A. T. O.—T. U. O.
T. X.—L. X. A.
P. G. D.—S. O. P.

7.00 P. M.—Masque Meeting at Sanford Riley Hall.

7.30 P. M.—Final tryouts for Masque, Sanford Riley Hall.

WEDNESDAY, FEB. 12—

9.50 A. M.—Chapel Services.
Rev. P. B. Covell.
4.00 P. M.—Debating Club Meeting in Boynton 25.
4.15 P. M.—Interfraternity Squash.
A. T. O.—L. X. A.
T. X.—S. O. P.
P. G. D.—S. A. E.
P. S. K.—T. U. O.

THURSDAY, FEB. 13—

7.00 A. M.—Rushing Begins.
9.50 A. M.—Chapel Service.
Rev. J. T. Carter.
4.15 P. M.—Interfraternity Squash.
T. X.—S. A. E.
A. T. O.—S. O. P.
P. S. K.—L. X. A.
P. G. D.—T. U. O.

FRIDAY, FEB. 14

9.50 A. M.—Chapel Services.
Rev. J. T. Carter.
4.15 P. M.—Interfraternity Squash.
P. G. D.—T. X.
A. T. O.—P. S. K.
L. X. A.—T. U. O.
S. A. E.—S. O. P.
8.00—Glee Club Concert, Holden Auditorium.

SATURDAY, FEB. 15—

Varsity Swimming Meet at Providence, W. P. I. vs. Brown.
Varsity Track Meet at Boston W. P. I. vs. B. A. A.
7.15 P. M.—Second Team Basketball Game, Seconds vs. South.
8.15 P. M.—Varsity Basketball game, W. P. I. vs. Wesleyan.

MONDAY, FEB. 17—

9.50 A. M.—Chapel Services.
Prof. Z. W. Coombs.
4.15 P. M.—News Assignments.
Boynton 19.
4.15 P. M.—Interfraternity Squash.
T. X.—P. S. K.
P. G. D.—A. T. O.
L. X. A.—S. A. E.
T. U. O.—S. O. P.

CRIMSON AND GRAY DEFEATS BROOKLYN TECH WITH 37-30 SCORE

Brooklynites Threaten Several Times but Lack Power to Overcome Lead of Tech Hoopsters

MASQUE MEETING TO BE TONIGHT IN DORM.

Cast Tryouts will be Concluded

The W. P. I. Dramatic Association will meet in Sanford Riley Hall this evening at 7.00 P. M. for the purpose of electing a Publicity Manager and an Advertising Manager.

The vacancy in the Publicity Department of the Masque is created by Mr. F. Curtis Tucker's withdrawal from college.

Mr. W. J. Pearson, who has been Advertising Manager, has turned in his resignation from that position as he believes that he should devote his entire time to his part as a member of the cast of "The Mystery Man." Mr. Pearson is to take the part of Officer Clancy, a part which furnishes the audience with many opportunities for whole hearted laughter.

Following the business meeting the cast of this year's show will have its first preliminary rehearsal, as soon as the final tryouts for the vacant parts have been completed and the coach of the cast, "Jack" Heald, has concluded the choosing of his cast.

The cast, Mr. Heald expects, will be able to have at least one rehearsal a week, until May 8 when the show will be produced in Horticultural Hall as the opening feature of Junior Week.

The General Manager of the Masque, W. J. Newbold, has asked that the several managers meet with him at the Tech News office on Wednesday afternoon at 4.15 o'clock. At that time Mr. Newbold expects to outline the work of the year. The managers, in addition to those to be elected at the meeting tonight, are John H. Hincheliffe, Jr., Business Manager and Treasurer, and Frank C. Greene, Stage Manager.

TECH NEWS STAFF SEES MUSICAL COMEDY IN "HUB"

All Enjoy Annual Theatre Party

Last Friday night the Tech News staff enjoyed its one night out during the year. It took this night to go to Boston to see George White's musical comedy "Flying High." This annual theatre party is given to the staff as the only material reward for the weekly labors put in by the members of the staff so that the college may receive each week a record of events, past, present and future.

A bus was hired by the NEWS and the members of the Senior staff and of the Junior staff left Theta Chi Fraternity at 4.45 o'clock in order to reach the Hub in time to enjoy a substantial dinner before the show. It is hardly necessary to say that everyone was primed for a good time and it is even less necessary to say that everyone enjoyed himself.

ENGINEERS ENJOY 29-10 LEAD AT HALFWAY MARK, BUT ARE ROUTED IN CLOSING PERIOD

In a fast game at the Alumni gymnasium, last Saturday night, the Worcester Tech team swept past the Brooklyn Poly five to a victory; tucking the game away by a score of 37-30.

Hardly had the blast of the whistle died down when Capt. "Bill" Graham and his team slipped the ball through the Brooklyn hoop four times before the startled Brooklynites could lay their hands on the ball. The Tech team scored seven points before scarcely one minute of the game had been played. Purrington, Asp and Graham caged six points, while Graham added a single point from the foul line.

All through the first half the Crimson and Gray continued its scoring, piling up a big lead and making the score at the end of the first half 29-10, with every indication for a walkaway for the Boynton quintet.

After the intermission the tide began to turn with one "Rusty" Jones, Brooklyn forward ace, turning it. Jones began to run the "Biglermen" ragged as he scored basket after basket, imitating the performance of the Engineers during the first half of the game. He started his team mates on a steady uphill journey which gave the Crimson and Gray something to worry about for the balance of the game. Jonesey's scoring made him a marked man and he was closely watched, but the scoring

Continued on Page 2, Col. 3)

MONTHLY MEETING OF TECH NEWS IS TODAY

By-law Revision to be Voted On

The monthly meeting of Tech News Association will be held Tuesday afternoon at 4.15 in the Tech News office. At this time a report of the Constitution and By-laws Revision Committee will be heard.

Also at the association will be elected one or two delegates to be sent to the Columbia Scholastic Press Association. This conference will be held sometime in the middle of March, probably the week-end of the 15th. It will be held at Columbia University, New York City.

Besides these special events, the applications of new members will be considered and vote taken.

NOTICE TO FRESHMEN

There will be a meeting of the Freshmen Class at 12:00 o'clock noon Friday, February 21, in the Electrical Engineering Lecture Room for the purpose of officially expressing individual fraternity preferences.

ALBERT S. RICHEY,
Chairman,
W.P.I. Interfraternity Council

RIFLE CLUB HAS MADE GOOD POSITION RECORDS

1933 Match With Wakefield High

During this season, the Rifle Club has made some good records in the different positions. In the prone position, the score made by Manvel of ninety-nine is the highest so far. He also holds the kneeling record of eighty-nine, and the four position total record of three hundred forty. Manvel, a freshman, was never on any rifle team before this season. His work helps the team greatly. The off-hand record is held by Sorensen with eighty-three points. The sitting position record of ninety-three is held by S. Q. Chin.

Captain Manvel says that the Freshman team is turning out well and insures a successful schedule.

The first Freshman match will be with Wakefield High on the week of February 16. The tentative Freshman team is composed of Manvel, Perkins, Ritcey, Keane, Griffin, Church, Merrill, Dixon and Klebart.

At the Connecticut Aggie match held two weeks ago, Tech lost by a small margin of 1728-1664. Here, Manvel scored his ninety-nine in the prone position.

COLLEGE STUDENTS DO SELL THEIR TEXTBOOKS

Why Is This Custom Prevalent?

The following article deals with this pertinent question in a very truthful and most illuminating manner. The views of President Earle and Professor Coombs upon the subject are given at the end of the article.—The Editors.

Do college students sell their textbooks? This is a timely question concerning an unfortunate custom which sizers many undergraduates in January and June. Thomas Arkle Clark, Dean

Continued on Page 5, Col. 2)

DEBATING CLUB WILL HOLD THIRD MEETING

Constitution Committee to Report

The second meeting of the newly-formed debating club was held the Wednesday previous to examination week.

The business of this second meeting consisted of selecting a constitution committee, the purpose of which was to draw up a constitution. The members of this committee are Messrs. Wright, Manvel, Church and Adams. Mr. Adams was appointed chairman of the committee. It was also decided that the club chairman was to select topics for debate and make assignments.

Several new members appeared and were placed on the role. Any other interested students are cordially invited to attend the third meeting to be held tomorrow afternoon (Feb. 12) at 4:00 P. M. in Room 25, Boynton Hall.

The club meetings have been thus far honored by the presence of Mr. Paul Swan, Y.M.C.A. Secretary and member of the faculty. Mr. Swan shows considerable interest in the organization and gives it valuable assistance.

GLEE CLUB TO GIVE FOUR CONCERTS IN FEBRUARY

Glee Club Contest is Feb. 28

Mr. Hanscom is pleased to announce that he has four important engagements for the Glee Club. For its initial program, this month, the club went to Rutland on February 7. Their next concert will be held at Holden, February 14. On February 18, the club journeys to Webster. The Inter-Collegiate Glee Club Contest will be held at Springfield, February 28. This year, Tech has a very good chance of winning there.

TECH NEWS

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February 11, 1930

DANCE MUSIC AT TECH

Many of those who have attended the basketball games this season have been rather disappointed with the music furnished by outside orchestras for dancing. Last Saturday, however, the college orchestra gave very good music and is to be complimented. It seems as though that in a college of the size of W.P.I. an orchestra could be organized that would be much superior to any of the bands that have played for these dances during the past. Perhaps the difficulty lies in the fact that there has been a lack of interest on the part of those who have musical ability due to the fact that the college orchestra is expected to play for less money than a good band of outside musicians. This should not be so, for the students going through college can use the money just as easily and perhaps to better advantage than the outsiders. Even if the college orchestra charged slightly more than an outside band, it is the opinion of many that it should be given the job, for it would help out students financially, and it would make these Saturday night basketball games more of a college doing. With a Tech orchestra playing for the dancing the affair would be designated as a purely Tech occasion. There is no doubt that there is room for improvement in the dance music and this is only a suggestion and a view that many Tech students take.

Another bright idea that has found light is the scheme of radio dances. The gymnasium is equipped with several loud speakers and if some organization would invest in a first class radio, it is claimed that dance music of a high caliber could be tuned in every Saturday night. There is always plenty of dance music "on the air" on Saturday evenings and with good equipment there should be no trouble tuning the stations in. There are several professors on the Hill who are well versed in radio and with their aid and support in the way of suggestions, the equipment could be kept in first class condition and even some improvements might be made on it. Of course, this is only an idea and there may be many conditions which would make it impossible to carry out any such scheme. However, our system of magnifying the voice of assembly speakers has worked well and no reason can be foreseen why dance music could not be reproduced with the same satisfactory results. It would take a well informed person to run such a system and to keep the apparatus in working condition, but that should not offer any trouble in an engineering college of such high standards as Worcester Tech.

CERTIFIED MILK IS
SUBJECT OF REPORT

Dr. Jennings Submits Report

Dr. Jennings, head of the Chemistry Department, recently submitted a report to the Worcester Medical Milk Commission on the Laboratory Control of Certified Milk. This report contained the summarized results of weekly analyses made in the department laboratories. During the year 1929 examinations were made for bacteria on 109 samples of certified milk, determinations of butterfat on 45 samples, determination of total solids on 30 samples, and sediment tests on 109 samples.

The results show that the certified milk under the control of the Commission during 1929 tested below 10,000 bacteria in 98% of all the samples examined, and below 5,000 in practically 92% of the cases. The individual farms producing this milk varied surprisingly little. This indicates how uniformly standardized the methods for producing certified milk have become and the extreme and constant care that is used in supervising these methods and safeguarding the product.

"Y" DISCUSSION GROUP
TO BE HELD IN MARCH

Leaders Will be Ready Soon

The Worcester Tech Y. M. C. A. Cabinet is making plans for fraternity discussion groups. These discussions will be held at the various fraternity houses on the Hill. The subject for the discussions have not been settled upon yet, but will be popular topics of the day, such as those bearing on social, national, economical, and philosophical problems. The speakers will be selected in the near future and will be both laymen and ministers, who will be leaders of the groups.

This year the discussion groups have come back into favor in some of the Houses. Last year these groups were omitted with the hope that after a year's lay-over they would be popular again. The Cabinet will soon have a list of topics and leaders ready. All these groups will be held during the month of March, which is apt to be a little freer compared to other months of the college year.

TECH 37—BROOKLYN 30

(Continued from Page 1, Col. 5)

passed to his mates and before they could be stopped the Blue and Gray was within five points of the Tech score. The Tech men again took up the battle and began to keep its score at a respectable distance from that of the Brooklyn five. Jones shone through the remainder of the game scoring a total of fourteen points, beating the record of any man on the floor.

With a win almost at hand the Brooklyn quintet resorted to a rough and ready struggle and Russ Purrington came in contact with the business end of an unwieldy Brooklyn elbow, which put him out of the game for the remainder of the period. He was replaced by J. Smith and the Worcestarians continued to hold their own with a comfortable margin. The last two minutes of the game saw a fast performance and just before the last boom of the timer's gun the crowd saw Graham dribble half the length of the floor to run up the last points of the game.

The game look like a walkaway for the Tech quintet during the first half, but during the second half a new team of Brooklynites appeared and made tough going for the home team. Jones

PROF. V. O. HOMERBERG
TO SPEAK AT LOCAL A.S.S.T.

"Nitriding" is to be Subject

Professor V. O. Homerberg of the Massachusetts Institute of Technology has been secured as the guest speaker at the regular meeting of the Worcester Chapter of the American Society for Steel Treating. Professor Homerberg, who has recently been appointed chairman of the A. S. S. T. Committee on Nitriding of Steel, will speak on "Nitralloy and the Nitriding Process." The Meeting is to be held on Wednesday, February 12, 1930, at Rebboli's

was high scorer, with fourteen points with Downing second in that field by virtue of his scoring eleven points.

On February 12 the Tech quintet will meet the Tufts team on the latter's court in Medford. Last Saturday night, while Tech was battling Brooklyn Poly's five the Tufts team was romping to a 42-34 win over Northeastern.

Wesleyan's representatives will come to the Alumni Gymnasium on Saturday night. South High's team, who were also close competitors of Commerce High for the city scholastic cham-

Restaurant, 10 Barton Place. A special Fellowship Dinner costing one dollar is to be served at 6:30 P. M. Mr. Carl G. Johnson of the Department of Mechanical Engineering and Chairman of the local chapter has said that students may come only for the meeting if they so desire. The meeting will begin at 7:45 P. M.

Nitriding is the new art of surface hardening of steel which in many instances is replacing the traditional art of case carburizing. Professor Homerberg, in his talk, will give especial emphasis to the practical aspects and uses of Nitriding.

Students planning to attend the meeting are asked to so inform Mr. Johnson in the Forge Shop, or to notify Mr. M. H. Frohman of 6 Autumn Street, Worcester. Mr. Frohman is Secretary of the Worcester Chapter.

pinship, are to meet the Seconds in the preliminary contest. Although this high school team has been "walking away" from many of its rivals, it is expected that the Seconds will give it a hard tussle.

WORCESTER TECH—37

Downing, If. ----- 5 1 11

(Continued on Page 4, Col. 5)

Frontiers of telephony—
old and new

Yesterday the natural course of telephone expansion was to penetrate the nation's frontiers, building new lines and adding new subscribers.

Today finds many new "frontiers" for telephone expansion—among them the homes of present subscribers. Upstairs and downstairs, wherever needed, additional

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TECH LOSES IN CLOSE CONTEST

Last Minute Decides Winner of Fast Game

After playing a very tight and exciting game, Tech lost out in the last few minutes of the game to M. A. C. The lead changed eleven times during the game and at the end of the third quarter the score was still tied at 27 all. Both teams exhibited good team work throughout the game.

Captain Graham played this game suffering from a bad boil on his neck which prevented him from looking sidewise and greatly handicapped his scoring. In spite of this affliction, however, he played a fine game and managed to score eight points. Bill Asp played his usual rugged back-court game and sank four beautiful long shots in addition. Gartrell teamed up well with Asp.

The M.A.C. team creating a striking display in their "prisoner's garb" uniforms. Ellert, the captain and coach, played a smart game all the way and put the game on ice for his team in the last few minutes. Minkstein and Stanisewski also played excellent games.

The score:

M. A. C.			
	fg.	f.	tp.
Ellert, rf.	3	1	7
Minkstein, lf.	5	1	11
Stanisewski, c.	4	1	9
Paksarian, rg.	0	0	0
Foley, lg.	2	2	6
	14	5	33
W. P. I.			
	fg.	f.	tp.
Downing, rf.	3	1	7
Purrington, lf.	0	0	0
Smith, lf.	0	0	0
Graham, c.	3	2	8
Asp, rg.	4	0	8
Gartrell, lg.	1	0	2
Walker, lg.	1	0	2
	12	3	27

Referee: Bennett. Timekeeper: Underhill.

Trade defeated Tech's Seconds in the preliminary game by a 40 to 21 score. The Trade School team led all the way and enjoyed a 23 to 8 lead at the half. Roche, Trade's left forward, had a banner evening, dropping baskets from all angles. Hammer led the Seconds in scoring and played a nice game.

BOOKS DESIRED FOR SEAMEN

The president desires to call attention to the request of the American Merchant Marine Library Association for books for seamen. Miss Haynes, the W. P. I. Librarian, has volunteered to assist in this effort and has offered to receive books at the main Tech Library. The books need only be marked "For Seamen" and delivered at the library.



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AERO CLUB HELD ITS REGULAR MEETING JAN. 21

Purpose of the Club is Spoken of

The undergraduate aeronautics club held its first regular meeting on Tuesday, January 21. J. E. Fletcher, elected temporary chairman at the preceding meeting, spoke again of the purpose of the club to the new men. He outlined the idea of making a general elementary study in the field of aeronautics, with committees to study special phases in which members might be interested. After everyone had become acquainted with the purpose of the club, Don Simonds gave an informal lecture on simple aerodynamics. His remarks were supplemented by those of Henry Pearson and Milton Warner, two other students of the senior aeronautics division.

A discussion on the construction of a primary type of glider for training purposes was held in conjunction with this meeting, and members of the club evinced much interest in this subject.

At the conclusion of the meeting, the date for the next meeting was set as February 11. The meeting is to be held in the M. E. lecture room at 7:00 P. M.

G. E. DISPLAYS SMOKE DETECTOR

One of the features of the General Electric display at the International Heating and Ventilating Exposition which opened recently in Philadelphia is a smoke detector that may be used for fire prevention.

The smoke detector on display is a laboratory model, and illustrates the application of the photo-electric tube which is now being made experimentally in the Hudson tube, connecting New York and New Jersey. In the tube, the smoke detector or visibility meter as it is there called, is placed in the exhaust duct. If the exhausting smoke becomes dense the photoelectric tube gives warning and attendants put additional exhaust fans to work.

The device shown in Philadelphia consists of a long glass tube. In one end is a light source and in the other a photoelectric or light sensitive tube. A small opening in the glass tube permits the operator to blow smoke inside the chamber. When the light intensity is dulled by smoke, the photoelectric tube responds, throwing a relay which starts an exhaust fan. The fans continue in operation until the

EIGHT MATCHES ARE AHEAD OF RIFLE TEAM

Team is Member of National Ass'n

The Rifle Team has eight National Rifle Association matches scheduled for this year. They are as follows:

Norwich, February 8; Boston University, February 22; R. P. I., March 1; N. Y. S. S. A., March 8; M. I. T., March 15; Cooper Tech, March 22; Amherst, March 29; National Championship Match at Boston, April 5.

These matches are held each year under the auspices of the National Rifle Association between rifle clubs affiliated with the organization. R. P. I. has been included in this section for the first time. The team for these matches will probably consist of the following: A. M. Demont, Capt., H. O. Allen, D. K. Bragg, S. Q. Chin, C. S. Greco, E. V. Haskell, H. B. Pratt, E. L. Pollard, T. Meschicovsky.

atmosphere within the chamber is cleared. The same device may be utilized for fire detection, in which case the relay operates a buzzer or bell instead of the fan.

WORCESTER CHEMISTS CLUB TO HOLD MEETING

Talk will be given on "Oils"

Mr. G. H. Ryan, '08, will speak at a meeting of the Worcester Chemists Club to be held on Tuesday, February 25, 1930, at the University Club, 377 Main Street. The speaking will commence at 7:45 P. M. Mr. Ryan, who is chief chemist of the White and Bagley Company of Worcester, has chosen "Oils" as the subject of his talk.

Mr. Ryan, who has had wide experience in his subject, will talk on the new conception of how lubricating oils act, and will describe some of the various problems met with in his work. It is probable that a few experiments will be carried out to demonstrate the differences between oils under different conditions.

The Club has extended an invitation to Tech students to attend this meeting. A dinner, costing \$1.25, will be served at 6:30 P. M. If any students are planning to attend they will assist the club a great deal if they will notify Mr. R. C. Charron of their intentions. Mr. Charron's telephone number is Park 1481.

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SQUASH AND BOWLING SCHEDULES ANNOUNCED

Intra-mural Squash Tourney Started Yesterday

The Department of Physical Education has announced the following Interfraternity Athletics Schedules:

SQUASH

Feb. 10: P.G.D. vs. L.C.A.
T.C. vs. T.U.O.
A.T.O. vs. S.A.E.
P.S.K. vs. S.O.P.
Feb. 11: P.S.K. vs. S.A.E.
A.T.O. vs. T.U.O.
T.C. vs. L.C.A.
P.G.D. vs. S.O.P.
Feb. 12: A.T.O. vs. L.C.A.
T.C. vs. S.O.P.
P.G.D. vs. S.A.E.
P.S.K. vs. T.U.O.
Feb. 13: P.G.D. vs. S.A.E.
A.T.O. vs. L.C.A.
L.C.A. vs. L.C.A.
S.A.E. vs. T.U.O.
Feb. 14: P.G.D. vs. T.C.
A.T.O. vs. P.S.K.
L.C.A. vs. T.U.O.
T.U.O. vs. S.O.P.
Feb. 17: T.C. vs. P.S.K.

P.G.D. vs. A.T.O.
L.C.A. vs. S.A.E.
T.U.O. vs. S.O.P.
Feb. 18: S.O.P. vs. L.C.A.
T.U.O. vs. S.A.E.
P.S.K. vs. P.G.D.
T.C. vs. A.T.O.
Feb. 20: P.G.D. vs. L.C.A.
24 T.U.O. vs. T.X.
25 A.T.O. vs. S.A.E.
26 P.S.K. vs. S.O.P.
27 P.G.D. vs. T.U.O.
28 A.T.O. vs. P.S.K.
Mar. 3: L.X.A. vs. T.X.
4 S.A.E. vs. S.O.P.
5 P.G.D. vs. A.T.O.
6 T.U.O. vs. P.S.K.
7 L.X.A. vs. S.A.E.
10 T.X. vs. S.O.P.
11 P.G.D. vs. P.S.K.
12 L.X.A. vs. S.O.P.
13 T.U.O. vs. A.T.O.
14 T.X. vs. S.A.E.
17 A.T.O. vs. S.O.P.
18 L.X.A. vs. T.U.O.
19 P.G.D. vs. T.X.
20 P.S.K. vs. S.A.E.
21 T.U.O. vs. S.O.P.
24 P.G.D. vs. S.A.E.
25 A.T.O. vs. L.X.A.
26 P.S.K. vs. T.X.
27 T.U.O. vs. S.A.E.

28 A.T.O. vs. L.X.A.
31 P.S.K. vs. L.X.A.
Apr. 1 P.G.D. vs. S.O.P.

The rules for the squash tournament are as follows: Three games shall constitute a match. The first two matches scheduled each day shall be played at 4:15 P.M., and the others to follow as soon as courts are available. Requests for postponement must be made at the gymnasium office at least twenty-four hours in advance, and date set at that time for playoff.

The rules for the bowling tournament are: Each team shall consist of four men. Each man shall roll three strings; two boxes at a time and progressing one alley to the right each time up. One point may be gained by each team for each string, and one point for the total pinfall, making four points to the match. A tie at the end of the first string shall be awarded to the winner of the second. A tie at the end of the second shall be awarded to the winner of the third. A tie at the end of the third shall be settled by the last man of each team rolling two boxes each. Postponements must be made at the gymnasium office at least twenty-four hours in advance. All matches should start promptly at 4:30 P. M., and before if possible. Score sheets should be turned in to the gym office for record after match.

PROF. H. B. SMITH TO LEAVE ON LENGTHY TOUR

To Visit Cities of South and West

On February 16, 1930, Professor H. B. Smith, head of the Department of Electrical Engineering, will leave for an extended tour of the southern sections of the American Institute of Electrical Engineers. Dr. Smith is making this trip in the interests of that society, of which he is president.

During the course of the first part of the tour, Professor Smith will visit Cincinnati, Louisville, Oklahoma City, Dallas, Houston, San Antonio and Mexico City. From Mexico, Dr. Smith plans to go to Havana. Here he will attend a meeting of the American Engineering Society and also consider the advisability of establishing a Havana Section of the A.I.E.E. On the return trip from Havana he plans to attend meetings of the sections in New Orleans, Birmingham, Atlanta, Raleigh, Norfolk, Washington, Baltimore and Philadelphia.

Professor Smith will represent the society at the 50th anniversary of its founding. These exercises will be held in New York and Washington. In the latter city, he will address the convention. Professor Smith expects to return to the college about April 19. During the recent college vacation Dr. Smith awarded the A.I.E.E. medal to Professor Scott of Yale for the latter's work in the field of transformers. This award, signifying a great achievement in electrical engineering, was made at a meeting in New York City.

ployment agents according to their scholastic record, it just makes my blood boil even worse than it did during the exam. Again I ask, "Is it right to cheat?" Believe me, if I get a chance in later life to judge between students who have cheated and men of no college education you can bet I shall chose the latter, but how does some one else feel about it?

Signed,
THE OWL.

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TECH SECONDS WIN

(Continued from Page 1, Col. 1)

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Megan lg	3	0	6
Foley c	0	0	0
French rf	2	2	6
Solotes, lf	0	1	1

5 4 14

Substitutions: Pihl for Larson, Leach for Hager, Referee, Leslie Mann, Springfield. Timer, Charles Wright. Time, four 8-minute periods.

TECH 37-BROOKLYN 30

(Continued from Page 2, Col. 5)

Purrington, rf	5	0	10
Graham, c	4	2	10
Walker, lg	2	0	4
Asp, rg	1	0	2
	17	3	37

BROOKLYN POLY-30

	fg	ft	tp
Patch'ky, rg	3	0	6
Sartori, lg	0	0	0
Hutchins, c	3	0	6
Jansen, c	0	2	2
Jones, rf	6	2	14
Nelson, lf	1	0	2
	13	4	30

Substitutions, J. Smith for Purrington, P. Smith for J. Smith, Ball for Patchersky. Referee, Leslie Mann, Springfield. Timer, Charles Wright. Time, 20-min. periods.

OPEN FORUM

To the Editor of the Open Forum:

I would like to ask the opinion of the students and of faculty on one question that has presented itself time and again during the past week, "Is it right to cheat in examinations?" One of general principles, and one who has had the same type of education that a young man should have, would promptly answer in the negative. But let us consider the question for a moment,—we are all rated in after life according to the marks which we receive in our studies. We are classed against our fellow students according to our scholastic record. During this last week of exams I saw cheating time and again and it hurt me to think that some students would, in this manner, try to take an unfair advantage over the others. Now that the exams are over and I find that I shall have to stay in Tech an extra year just because I refused to look at a paper that was being passed with the answers written on it; and too, the students who passed these papers walked away with honors and are classed by em-

Watering 87,000 Horses

On Horseshoe Lake near Oklahoma City, in a businesslike, compact building, 87,000 horses (figuratively speaking) are stabled . . . nearly three for every family in Oklahoma City. For with the completion of a new unit of the Oklahoma Gas & Electric Company's power station at this point, the total generating capacity was raised from 46,930 to 87,130 horsepower.

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AMHERST MERMEN WIN

(Continued from Page 1, Col. 3)

and the comparative speeds of the two teams, but Tech only won by 40-37, by winning the last event. The second meet, at Amherst, marks a milestone in this season's schedule, since the Amherst team won by a 39-36 score, and the home team suffered its first defeat of the year.

The Saturday before mid-year, a small, but expert group of eight swimmers, boarded the train from Worcester, on the way to Troy. According to the "dope" it should have had quite an easy time in chalking up a large score against the New York team, but certain unexpected factors not only made the meet more interesting, but also made it very close. As always in a strange pool, it was necessary for the team to acquaint itself with the peculiarities of that tank. At Rennselaer the ends were peculiar, so much so that "Bob" Driscoll couldn't hit the turns right in back-stroke and so did not have a chance at his usual first place in that event. Another unexpected factor, which perhaps should have been guarded against, was the illness of one of the swimmers, in this case of Capt. Rogers, who was able to place only third instead of his usual first. However, in the relay race, which won the meet for the Tech team, he gave the same man who had previously defeated him, a real "dusting."

Carl Larson also was unable to get his usual first place in the medley race when the opposing swimmer turned in what would have been record time in New England. As a result of all these unforeseen happenings, the Worcester team was behind when the last event started. Knowing that the result of this event, the 200-yard relay, would determine the result of the meet, both teams did all they could to win, and the Tech team was victorious.

Since the R. P. I. meet depended on the relay race to determine the winner, so also did the Amherst meet last Saturday, but this was the only thing that was similar. In the previous meet, W. P. I. was behind when the relay started, and won the relay, but in the latter meet our team was ahead all the way up to the last event, losing it and thus losing the meet.

Our medley relay team started off with a win, "Bob" Driscoll getting a lead on his opponent, George Emerson and John Osipowich finishing the event. The team felt the loss of Capt. Rogers when the sprint events were started, since his usual first place in both events went to Amherst. In the 40-yard dash Roy Holcombe took a second place and in the hundred event John Tinker did likewise. The honors in the individual medley race, also went to Amherst when Carl Larson, who had swam a fast race to beat his opponent, was disqualified, giving first and third places to the other team, the three points for second coming to W. P. I. when Jones came in second after Larson.

The quarter mile swim started off very fast, almost like a 100-yard dash. John Osipowich finished first, breaking the pool record by eleven seconds in the time of 5 minutes, 49 seconds. John Tinker was weakened by a bad cold and was unable to place.

Another pool record was broken by "Bob" Driscoll in the back-stroke, in which he placed first, an Amherst man second and Jones, W., third. In the breast-stroke and diving, W. P. I. scored two first places, Emerson coming in well ahead of his competitors, and Joe Tawter, on a strange board, winning over his only opponent.

The 200-yard relay race was the last event and counted eight points for the

DO YOU SELL YOUR BOOKS?

(Continued from Page 1, Col. 1)

of Men of the University of Illinois, gives two reasons for these seasonal outbreaks, first, the student's indifference or lack of interest in his work, and second, his need to get out of a financial difficulty. Dean Clark's further statements that "a college student is always broke" and "anything that will immediately add to his bank account seems to him justifiable" will not be challenged.

But immediate cash is not always forthcoming from the sale of textbooks, and the sums obtained are negligible in comparison with the value of the books. The rush to dispose of textbooks at less than their real value is swelled by the thought that now, examinations being over, those old books will never be needed again! Perhaps they'll not be needed for classroom work; but how often graduates moan that they wish they had kept their textbooks, to brush up on a language, to find a certain formula, to locate that line of poetry! The reasons for missing books hastily disposed of are many, but the regret is recurrent that the books are gone, with all the precious notes that added value to them, at least in sentiment.

Again, where will you ever get accepted authorities so economically? The truth is that once you have sold a textbook, you will never replace it, you will even tramp to a library for the required information. Which is not quite as clever as keeping the books in the first place, and gradually acquiring a personal reference library that may save much time and money.

It is a recognized fact that textbooks on technical or professional subjects constitute the basis of a professional library. In many cases these professional books are very expensive, and to resell them at the popular low rates would not augur well for a technical career. In general, textbook formats are becoming more attractive

winner and none for the team which lost, so, with the score 36-31 in favor of Tech, the Amherst rooters cheered wildly for their team, while the Tech swimmers encouraged their team-mates for the deciding event of the meet. For a time it looked as though Tech would win. Roy Holcombe picked up a lead on his opponent, but the next two men lost a little so that when Tinker, our last man, was started he was a little behind and try as he might he could not overtake the Amherst man. The race ended so closely that it was hard to tell from a little distance which had won, but the Amherst team proved victorious spoiling the record that the Worcester team had made.

The next meet, with Brown, seems likely to result in a loss for us also, since the latter always has a strong team and the Tech team has been weakened by the loss of three men by ineligibility. Brown beat us decisively last year and with this team practically as strong now as then, it will probably again defeat the Tech team.

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yearly, and do not detract in the least from the charm of well filled book-cases. Who would have a library composed only of novels? A choice as limited as that would indicate an uninteresting owner; even a calculus textbook on your bookshelves would catch the eye and hint of a many sided character!

These are points in passing, for consensus of opinion suggests that you keep your textbooks for sentimental reasons. President John Grier Hibben, of Princeton University, suggests "Every undergraduate leaving college should take his textbooks with him as a reminder and record of a past chapter in his life and as a nucleus of a library." Perhaps it isn't fashionable to be sentimental. Yet books have become a recognized budget item; and now in many colleges is heard the cry of "Keep Your Textbooks."

There is no library or reference book as handy as the worn and scribbled textbook, which has been your companion, on and off the campus. Can you think of anything which would be as graphic a commentary on your college life as the notes and names you have jotted on the margins and covers

of these books? To what other books have you granted such intimacy of thought?

President Ralph Earle states, "So far as my own personal experience goes, I have found my text-books of great value, consulting them often as various problems arise." Professor Z. W. Coombs, head of the department of English and chairman of the Committee on Admissions presents another viewpoint when he says: "I firmly believe that all text-books should be kept indefinitely. They serve as reminders of the steps taken in securing an education. They are of value as books of reference. In many instances, after revisions have been made, they mark the advance not only in content but in method of laying this content before the student. They are visible reminders of the struggles and triumphs of the ambitious student in his efforts to seize his opportunities and to profit by them."

"While I have approved the free text-book law in this state as a general proposition, I have felt strongly that it has taken away from the public school student one of the strongest features in his educational foundation."

MANY FRESHMEN HAVE LICENSES TO DRIVE AUTOS

Last year a questionnaire was sent out to all the students registered in the college. The questions asked were regarding the use of automobiles, whether the student had a license, owned a car or had the use of a car. This year the same questions were asked of the members of the class of 1933, then numbering about two hundred. The compilation of the answers to the questionnaire shows that 143 Freshmen have licenses, 19 own their own car, and 50 have the use of a car.

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TECH STUDENTS GIVE US A TRY

WRITE-UPS MUST BE IN BY FEB. 23

"Peddler" Editor-in-chief Announces Time Limit

The editors of the 1930 PEDDLER have posted a list of the Senior class members on the various bulletin boards showing the names of those men who have paid their subscriptions to the yearbook and who have completed their individual write-ups. Since the preliminary work of the book must be in the hands of the printer by March 1, the editors have requested that a final date of February 23rd be set on these write-ups, which should have been done much earlier than this.

The fraternity groups, winter sports, and other organizations will have their pictures taken in the Alumni Gymnasium Saturday, March 1st.

Activity blanks are being distributed to the under classes this week and this section of the book will then be speedily completed. The opening sections of the edition have been nearly finished, and among the new features will be a page devoted to pictures of the Trustees of W.P.I. for 1930. Other features include a pictorial history of Tech, a novel group of campus views, and many novel snapshots of groups and activities.

M. E. DEPARTMENT PUBLISHES THESIS LIST

Diversified Subjects Are Chosen

The following is a list of thesis subjects which have been selected by various students in the Department of Mechanical Engineering for 1929 and 1930:

Vibration of various characteristics, theoretical and experimental—Davidson, Nordmark, C. T. Smith and Wright.

Salt velocity method of water measurement—Sorenson and Whitaker.

Investigation for installation of an air preheater in a local power plant—Shaw.

Test of fractional horsepower steam turbine—French and Jasper.

Shop methods investigation in a local commercial industry—Baron.

Comparison of welded structures and cast structures—Davis and F. P. Smith. Comparative study of fuels—Crossley and Griswold.

Tests of house heating equipment (at plant of the Putnam Co.)—Bennett and Newbold.

Investigation of carburetor performance (Marmon engine and electric brake)—Perreault and Price.

Diesel engine tests—Harris and Pierce.

Effect of varying compression ratio on the power of a two stroke cycle engine—Pierson and Luoma.

Historical study of the technical development of the automobile—Tawter.

History and development of coal burning equipment—Corbin.

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RUSHING RULES ARE AGAIN PUBLISHED

This notice is issued by the Interfraternity Council in order that every fraternity man at Worcester Tech may be fully and officially informed as to the regulations governing rushing, bidding and pledging new men at the Institute.

The rules bind every fraternity man to live up to the spirit as well as to the letter of the rules in conducting all rushing honorably, openly and fairly. The Council believes that every fraternity man will inform himself fully as to the requirements of the rules and will carefully consider every action in connection with a possible contact with any Freshman, so that such contact will be above any suspicion of either a premeditated or accidental violation of the rules. If there is any doubt as to the propriety of any proposed contact with a Freshman YOU SHOULD TAKE THE SAFE COURSE AND RUN NO RISK.

The following extracts from the Rushing Rules are printed for the benefit of both fraternity men and freshmen:

R-9. No fraternity man may make any engagements with a Freshman before 7:00 A. M. of the first day of rushing. No fraternity man may telephone to a Freshman before 7:30 A. M. of the first day of rushing.

R-10. When the rushing season opens at 7:00 A. M., as provided in Rule R-5, and when more than one fraternity is seeking the same Freshman at 6:45 A. M., there shall be a drawing of lots by name and number, on slips drawn by the fraternity men in succession. These slips are to contain the Freshman's name and to be numbered consecutively. There shall be but one draw to a fraternity and no one fraternity man shall participate in the drawing or invitation for more than two Freshmen. The acceptance of invitations by a Freshman shall be by rotation in the order as determined by lot, unless the Freshman indicates a refusal of all invitations from a fraternity. Fraternity representatives arriving after 6:45 A. M. and before 7:00 A. M. must take order in which they arrive after the others. If one arrives after 7:00 A. M. he can give no invitation until all the others have given theirs. A rush week dinner engagement includes the evening, and a lunch engagement includes the afternoon.

R-11. Each fraternity shall submit to

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the Interfraternity Council before 10:00 P. M. on the last day of rush week, (Feb. 20, 1930), an alphabetical list of the men to whom it wishes to offer bids. This list shall not contain more than twenty-five (25) names.

R-12. At a Freshman gathering as soon after the close of rush week uniform cards shall be distributed among the members of the Freshman class by the Chairman of the Interfraternity Council, aided by such assistants as he may select. These cards shall contain spaces for the men to list their first, second, third and fourth choices of fraternity, any number of which may be filled in by the individual. These cards are to be returned in sealed envelopes before the men leave the room. During the entire process outlined above there shall be no communication among the members of the Freshman Class.

She: "The universities turn out simply the cleverest men, don't they?"

He: "Absolutely—and it's darn hard to get back in."

Lady: "Can I get on the 10:40 train before it starts?"

Information: "You'll have to madam. Next!"

PROF. F. W. ROYS RECEIVES PROOFS

New Text on Materials Examined

Professor Roys, head of the Department of Mechanical Engineering, is receiving the galley proofs of his book on materials used in engineering and construction. The proof has been submitted to the several members of the Department for their inspection and approval. A copy has also been placed on the shelf in the M. E. Library, and has attracted the interest of many of the undergraduates.

This text, which is expected to be distributed in March, is being published by the Ronald Press of New York City. Mr. L. P. Alford, '96, was instrumental in securing the contract with Professor Roys.

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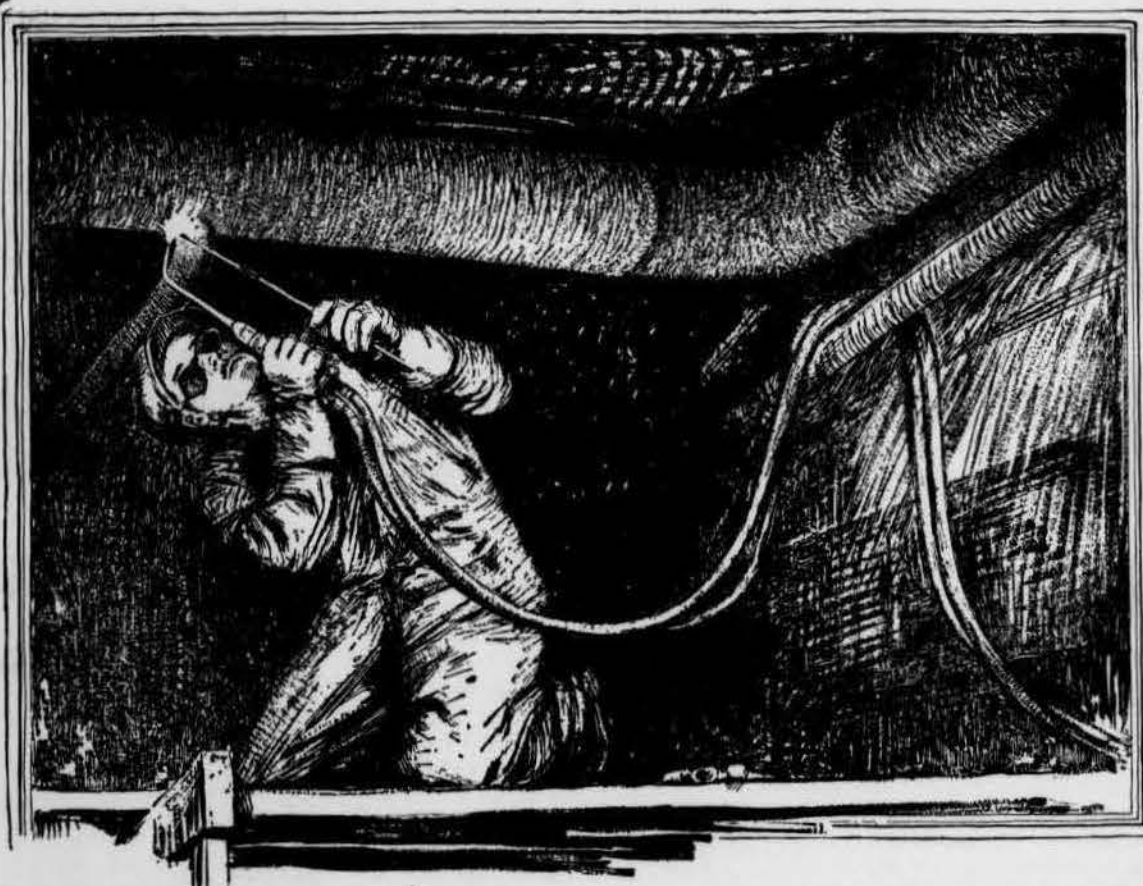
PROVIDENCE 33; TECH 18

The Crimson and Gray came out on the small end of the score once again Wednesday, Jan. 22, in Providence, when the Providence College quintet defeated it 33-18. Tech was not up to the form it showed in the R. I. State game; its team work was not as good, and it could not stand up against the classy playing of the Dominicans.

Providence took the lead early in the first half and were never in danger of losing it during the rest of the game. Bill Asp was outstanding during the first half of the game, playing the guard position in his usual strenuous manner and accounting for most of the points as well.

The second half saw the Providence men come back stronger than ever and they increased rapidly their six point lead of the first half. The Crimson and Gray found great difficulty in solving its defense, and gathered most of its points by foul shots. The game ended with Providence leading 33-18.

Asp was high scorer for Tech with seven points and Graham was second with five. McCue of Providence took the scoring honors with ten points and Kreiger placed second with nine.



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